VEENA MURALIDHARAN

GIS Expert with overall 10 years of experience in the GIS Industry. Core skills include spatial analytics, data management & end to end bid management as well as technical content management. Furthermore, adept in data analytics and machine learning techniques.Curious minded and self motivated with an eagerness to learn.

Email:muralidharanveena@gmail.com

LINKS

Bio: veenam.info

Github: veenam

Twitter: @veenamural

LinkedIn: VeenaMuralidharan

COURSEWORK

POST-GRADUATE

Geoinformatics | 2007-2009

GRADUATE

Geology | 2004-2007

TOP SKILLS

• Strong technical and domain knowledge

• Ability to communicate and understand client requirements

•Skilled in delivering technical solutions

•Skilled technical writer with experience of creating content for newsletters, white papers, scientific publications, magazines and blogs

•Capable of managing end to end bid process, responding to RFIs & RFPs as well as prospective opportunities

•Research oriented with strong analytical skills and critical thinking ability

•Skilled in Analytical BI tools such as Tableau as well as data science tools including Python, R, & SQL

EXPERIENCE

SENIOR EXECUTIVE | GENESYS INTERNATIONAL CORPORATION LIMITED
May 2017 – Present | Mumbai, IN

- Performing LiDAR processing for Power Transmission projects.
- Conducted GIS trainings on fundamental concepts.
- Performing Market Research and involved in end to end bid process as well as RFI/RFQ/RFP response.
- Building relevant technical content for collaterals, Proof of Concepts & Business Proposals.
- Working in tandem with Sales and Operation teams to build relevant client based IT & GIS enabled solutions.

COORDINATOR-INFORMATION MANAGEMENT & COMMUNICATION | DEEPAK FOUNDATION
Aug 2014 – July 2016 | Vadodara, IN

- Performed data acquisition, digitization and image processing of spatial data and creation of basemaps & thematic maps
- Development and piloting of a web based GIS application for Blood Donor search for the City Hospital
- Data Management, Analysis and Report generation of healthcare intervention projects
- Involved in the creation of technical and marketing content along with success stories for newsletters, FICCI publications and magazine articles

PROJECT COORDINATOR | K.E.M HOSPITAL RESEARCH CENTRE
Mar 2013 - Aug 2014 | Pune, IN

- Coordinating the Field testing of improved cookstoves to generate data on indoor air pollution and analyze to concentration levels of $PM_{2.5}$ and carbon monoxide

GIS RESEARCH FELLOW | K.E.M HOSPITAL RESEARCH CENTRE
Mar 2010 - Mar 2013 | Pune, IN

- Training and field coordination of GPS data acquisition
- Performing spatial analysis and building maps
- Development and piloting of WebGIS application
- Writing competitive proposals for international national funding agencies and publishing research/technical articlesin peer reviewed journals

ACHIEVEMENTS

GENESYS INTERNATIONAL CORPORATION LIMITED
May 2017 – Present | Mumbai, IN

- Developed competitive and winning bids for government tender in Middle-East for developing GIS database and processing aerial photographs

VEENA MURALIDHARAN

Email:muralidharanveena@gmail.com

CERTIFICATIONS

Data Science: IBM Certification, 2018

Epidemiologic Application of GIS: Johns Hopkins University,2012

Geosptial Analysis in Python: Udemy, 2019

SOFTWARE SKILLS

Daily use:
Python • D3.js • markdown • Stata • LaTex

Regular use:
HTML \ CSS• Python• RStudio • PostgreSQL • PostGIS

Occasional use:
JavaScript• Tableau• Excel Macros

TOOLS
•Git •Excel •QGIS •ArcGIS •Geoserver •Wordpress •Azure Notebooks •IBM Watson •Google Analytics Colab

PUBLICATION

ENVIRONMENTAL HEALTH

European Respiratory Society, 2011: Spatial distribution of COPD in a rural population in India using geographic information system

IJERPH, 2015: Field testing of alternative cookstove performance in a rural setting of western India

ACHIEVEMENTS

DEEPAK FOUNDATION
Aug 2014 – July 2016 | Vadodara, IN
- Developed a web based GIS application for accessing information of blood donors based on the nearest distance from the hospital.
- Won FICCI CSR Awards (2015-16) for the outcome report on the program impact on rural women farmers. Built thematic maps representing the impact of the intervention.
- Established a centralized database system for recording & management of the healthcare data and generating reports on the illness trends.

K.E.M HOSPITAL RESEARCH CENTRE
Mar 2010 - Aug 2014 | Pune, IN

- Successfully trained & managed a team of 50+ in field data acquisition using GPS technology
- Successfully mapped the incidences of COPD in rural areas and analyzed the impact of proximity to vehicular pollution on the disease. Presented the results in the annual conference of European Respiratory Society
- Successfully executed and managed an experimental study on indoor air pollution concentration in rural households.Performed the data analysis using linear regression model and published the findings in peer reviewed journal of impact factor 2.4

PROJECTS

LOCATION ANALYTICS FOR BUSINESS START-UPS | Github
Capstone Project |Dec 2018 | IBM Data Science Certification

•Webscraping using BeautifulSoup •Data visualization using Folium & Foursquare API •Machine Learning- K-means Clustering

FIELD TESTING OF ALTERNATIVE COOKSTOVE PERFORMANCE IN A RURAL SETTING OF WESTERN INDIA
Research Project | Dec 2013-Apr 2015 | K.E.M Hospital Research Centre

•Field Data Acquisition •Working knowledge of Indoor Air Monitors •Exploratory Analysis using SAS & R •Linear regression analysis

SPATIAL DISTRIBUTION OF COPD IN A RURAL POPULATION OF INDIA   Research Project | Mar 2010-Sept 2011 | K.E.M Hospital Research Centre

•Field Data Acquisition •Buffer analysis using ArcGIS 9.3x & QGIS